IAP6 Rec'd PCT/PTO 03 JAN 2006

4--

SEQUENCE LISTING.

<110> <120>	THE ROYAL VETERINARY COLLEGE VACCINE COMPOSITION
<130>	RVCV/P30948PC
<140> <141>	PCT/GB2004/002B65 2004-07-01
<150> <151>	GB 0315323.6 2003-07-01
<160>	10
<170>	SeqWin99
<210> <211> <212> <213>	1 218 DNA Unknown
<220> <223> .dog.wit	Partial 235 rRNA gene sequence from Chlamydophila isolated from the canine infectious respiratory disease (CIRD)
gagteto	tee ccagatteag actaggttte acgtgeetag ecctacteag gtategaata 60 ttg tttittegte taegggaeta teacectgta tegttetaet tteeagaagt 120 taa aacttaagat eccatgttat egacectaea accecacatt aaaaatgtgg 180 tte teeectteg etegeegeta cacaggga
<210> <211> <212> <213>	.221
<220> <223> dog_wi1	Partial 23S rRNA gene sequence from Chlamydophila isolated from th CIRD
atagagi	2 ggtc tccccagatt cavactaggt ttcacgtgtc tagccctact caggtatega 60 ctc ttgtttttwc gtctacggga ctatcaccct gtatcgttct actitccaga 120 cgac tagaacttaa gatcccatgt tatcgaccct acaaccccac attagaaatg 180 cgtc ttctcccctt tcgctcgccg ctacacaggg a 221
<210> <211> <212> <213>	3 224 DNA Unknown
<220> <223> dog wit	Partial 23S rRNA gene sequence from Chlamydophila isolated from h CIRD
<400>	3 · ·

```
tgagagtggt etecccagat teagactagg titeacgtgt etagecetae teaggtateg
                                                                    60
astagagtet ctigtttitt cgtctacggg actaacacce tgtatcgite tactticcag
                                                                   120
aagtattega etamaactta agateeeatg ttategaeee tacaaceeea cattaaaaat
                                                                  180
gtggtttggt etterecet titegetegk eegytateac aggg
                                                                   224
<210> 4
<211> 221
<212> DNA ......
<213> Unknown
(C. . . . . )
2223> Partial 235 rRNA gene sequence from Chlamydophila isolated from
dog with CIRD
                              gadagtggtc tecccagatt cadactaggt tteacgtgte tagecetact caggtatega
atagagtete tegettete geetacggga ctateaccet geategetet actitycaga
agtattcgac taawwcttaa gatcccatgt tatcgaccct acaaccccac attwwwwatg
tggtttggtc ttctcccctt tygctcgccg ctacacaggg a
<210> 5
<211> 217
<212> DNA
<213> Unknown
<<223> -- Partial 23S rRNA gene sequence from Chlamydophila isolated from
dog with CIRD
tgagagtggt ctccccagat tcagactagg tktcacgtgt ctagecctae tcaggtatcg. 60
matagaget cttgttttkt cgtctacggg actatcaccc tgtatcgttc tactttccca : 120
gaagtatteg actasaahet taagateece atgttatega ceetacaace eccacatdaa 180
anatgtggtt tggtettete ceettteget egeeget
<210> 6
<211> 221
<212> DNA
<213> Unknown
<220>.
<220>.
Partial 23S rRNA gene sequence from Chlamydophila isolated from
dog with CIRD
gabagtggtc tececagatt cagactaggt ttcaegtgtc tagecetact caggtatega 60
atagagtete tigititite gietaeggga ciateacect giategitet actitecaga 120
agtattegac tagaacttaa gatcccatgt tatcgaccct acaaccccac attaaaaatg 180
tggtttggtc ttctccctt tcgctcgccg ctactcaggg, a
<210> . 7
<211> 220
<212>
<213>
       Unknown .
```

```
<223> Partial 23S rRWA gene sequence from Chlamydophila isolated from
dog with CIRD
<400> 7
tgagagtggt ctccccagat tcagtcaaaa tatcacgtgt tccgacctac tcaggatact.
attagtatta ttgagaatbt taattacagg agtatcacct tctatgctct agtttccaac
                                                                    120
taattcatet attoicttta attacacati atagicctac aaccccomaa tgcaagcati
                                                                    180
                                                                   . 220
gggtttgtcc taatcccagt tcgctcgccg ctacacaggg
<210> B...
<211> 220
<220> Partial 238 rRNA gene sequence from Chlamydophila isolated from
dog with CIRD
<220> N
<222>
       174
<223> N can be A, C, G or T.
tgagagtggt ctccccagat tcagactagg tttcacgtgt ctagccctac tcaggtatcg
aatagagtet etigittitt tgictaeggg actateacec igiategite tactiteeag 120
asgrattoga ctassactia agatéceatg trategacee tacaacecea catassasat -- 180-
                                                                 .... 220
-gtggtttggt_cttctcccct_ttcgctcgcc_gctacacagg
и,
<210> 9
<211> 28
<212> DNA
<213> Artificial Sequence
<220>
<223> PCR primer
<400> 9
                                                                     .28
gatgccttgg cattgatagg cgatgaag
<210> 10
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223>
      PCR primer
<400> 10
                                                                     21
tggctcatca tgcmaaggc a
```